FAILURE IS NOT AN OPTION

DAMAGE CONTROL ESSENTIALS
Paratech DCS will change the way you look at damage control forever!

A hull breach can flood a compartment with thousands of gallons of water in just a few short minutes. With all that rides on your ship staying afloat, time is of the essence. Paratech DCS can be assembled and in place in as little as 30 seconds and is four times stronger than wood. Specifically designed for harsh marine environments with a reflective finish for low lighting situations.

**“I”** Type used vertically or horizontally. Simplest and strongest configuration

**“K”** Type used vertically or horizontally

**“H”** Type used vertically or horizontally

**DAMAGE CONTROL SHORING KITS**

A DC locker or shoring cache should consist of enough components (shores and accessories) to configure a minimum of three shoring types (“I”, “K”, “H”) in a various lengths. Kits will vary by location on your ship. Larger open spaces will need longer shores to assure adequate coverage and functionality while other areas may require smaller shores to fit in tighter quarters.

Accessories like splinter box patches, various size plugs, wedges and rubber sheets help round out a good DC equipment cache.

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Damage Control Shoring recommendations per ship for optimal coverage are as follows:

**BEST** - Mission Critical Vessels - Pre-configured shores and accessories mounted to the wall or stored next to all watertight openings below the waterline.

**Better** - High Risk Ships (large passenger ships or high potential for environmental disaster) should have TEAM’s larger shoring kits, TDC Forward or TDC Aft in three locations so you can respond to larger damage events. TEAM Basic Kits are for medium risk or smaller vessels and have limited ability.

**Good** - TEAM DC Basic Kits less than 200’ (60m) walking distance from each other if on the same deck, reducing by 25%+/- for each deck level away from your DC Cache.

Damage Control Cache locations greater than 200’ (60m) apart are not recommended.
To assure access to your damage control shoring and accessories in the event of an incident, we recommend having more than one cache of equipment. Dividing your vessel into zones with a kit in each zone is an ideal approach.

**APPLICATION SPECIFIC DAMAGE CONTROL SHORING KITS**

**TDC-A**
Damage Control AFT Locker Shoring Kit for Large High Risk Vessels (cruise liners, ferry's, cargo ships with high risk of environmental disaster).
*Kit Includes:* 9 various length shores (4 = 3', 3 = 6', 2 = 10'), 7 extensions (3 = 1', 2 = 2', 2 = 4'), 4 clamp & clevis, 16 latch connectors, 4 latch holders, 16 rubber feet, 4 rail ends (2 = 2', 2 = 4'), 9 carrying straps, 4 shoring hammers, 1 box patch set (12", 18" & 24"). (Kit weight 513 lbs.)

**TDC-F**
Damage Control Forward Locker Shoring Kit for Large High Risk Vessels (cruise liners, ferry's, cargo with high risk of environmental disaster).
*Kit Includes:* 7 various length shores (4 = 3', 2 = 6', 1 = 10'), 7 extensions (3 = 1', 2 = 2', 2 = 4'), 4 clamp & clevis, 14 latch connectors, 3 latch holders, 14 rubber feet, 4 rail ends (2 = 2', 2 = 4'), 7 carrying straps, 4 shoring hammers, 1 box patch set (12", 18" & 24"). (Kit weight 432 lbs.)

**TDC-B**
Damage Control Locker Basic Shoring Kit for Large/Medium Risk Ships (large cargo, supply vessels, off shore workboats, cutters, etc.).
*Kit Includes:* 5 shores in various lengths (2 = 3', 2 = 6', 1 = 10'), 5 extensions (2 = 1', 2 = 2', 1 = 4'), 2 clamp & clevis, 10 latch connectors, 2 latch holders, 10 rubber feet, 2 rail ends (1 = 2', 1 = 4'), 5 carrying straps, 2 shoring hammers, 1 box patch set (12", 18" & 24"). (Kit weight 319 lbs.)

**TDC-BPLUS**
Damage Control Locker Basic PLUS Shoring Kit for Large/Medium Risk Ships with larger open spaces (cargo, supply vessels, off shore workboats, cutters).
*Kit Includes:* 9 shores in various lengths (3 = 3', 3 = 6', 3 = 10'), 9 extensions (3 = 1', 3 = 2', 3 = 4'), 4 clamp & clevis, 18 latch connectors, 4 latch holders, 18 rubber feet, 3 rail ends (1 = 2', 2 = 4'), 9 carrying straps, 4 shoring hammers, 1 box patch set (12", 18" & 24"). (Kit weight 567 lbs.)

**TDC-MY**
Damage Control Locker Basic Yacht Shoring Kit for Large Mega Yachts.
*Kit Includes:* 6 shores in various lengths (3 = 3', 3 = 6'), 6 extensions (2 = 1', 3 = 2', 1 = 4'), 4 clamp & clevis, 12 latch connectors, 3 latch holders, 12 rubber feet, 2 rail ends (1 = 2', 1 = 4'), 6 carrying straps, 2 shoring hammers, 1 box patch set (12", 18" & 24"). (Kit weight 357 lbs.)

Individual components and custom kits are available. Please contact your dealer for more information.
DAMAGE CONTROL HYDRAULIC RAM

Expand the capability of your Paratech damage control shoring with an inline hydraulic ram with 10 U.S. ton lift/move capacity (with a safety factor of 2:1). Available in three sizes, 4" lift (21” to 25” overall length, 32 lbs.), 10” lift (28” to 38” overall length, 41 lbs.), and 16” lift (35” to 51” overall length, 50 lbs.). Includes screw adapter and two speed, single-acting, non-conductive, lightweight, no-spill, 10,000 psi metal hydraulic hand pump with 10’ kink-resistant hose.

TPRAM4K  Inline 10 US Ton Hydraulic Ram 4" Lift
TPRAM10K  Inline 10 US Ton Hydraulic Ram 10" Lift
TPRAM16K  Inline 10 US Ton Hydraulic Ram 16" Lift

DAMAGE CONTROL LEAK SEALING AIR BAG KITS

Our leak sealing bag kits are designed to stop liquid leaks on pipes, drums, tanks and more; made of chemical resistant reinforced neoprene. Hold in place with the wrap around velcro straps or ratchet straps and pressurize up to 22 PSI (1.5 bar) with leak sealing controller and 16’ hose. Works effectively on both smooth and rough surfaces. Not intended for use on high pressure pipes. (Air source required)

Drum and Pipe 3 Bag Leak Sealing Kit includes: 6” x 6” bag, 6” x 12” bag and 10” x 10” bag. Three 8’ wrap around velcro straps, two 4’ wrap around velcro straps, leak sealing controller and 16’ air hose. (Kit weight 15 lbs.)

Tank and Hole 2 Bag Leak Sealing Kit includes: 15” x 21” bag, 24” x 24” bag, two 30’ ratchet belts, two 20’ extension belts, leak sealing controller and 16’ air hose. (Kit weight 56 lbs.)

Pipe, Tank and Container 5 Bag Leak Sealing Kit includes: 6” x 6” bag, 6” x 12” bag and 10” x 10” bag, 15” x 21” bag and 24” x 24” bag. Three 8’ wrap around velcro straps, two 4’ wrap around velcro straps, two 30’ ratchet belts, two 20’ extension belts, two leak sealing controller and two 16’ air hoses. (Kit weight 69 lbs.)

TPLS3  Drum & Pipe 3 Bag Leak Sealing Kit
TPLS2  Tank & Hole 2 Bag Leak Sealing Kit
TPLS5  Pipe, Tank & Container 5 Bag Leak Sealing Kit

HARDWOOD & NEOPRENE Plug KIT

Used by the U.S. Air Force. Controls liquid and vapor leaks. Can be used with powered impact tools.

KIT CONTENTS:
3 = Tapered hardwood Plugs 2”, 3” & 4” Diameter
3 = Tapered Neoprene Plugs 2”, 3” & 4” Diameter
1 = Non-Sparking Brass Mallet
1 = Composite Case

Part # TP715

Kit weight 17 lbs.

DAMAGE CONTROL WOOD PLUG & WEDGE KIT

Soft Wood Sizes:
1” to 10” Wide
Lengths:
Up to 18”
Conical Plugs:
1” to 5”
Diameters

PART CONTENTS:
12 = 0”-1” dia. x 3” Long Tapered Plug
12 = 0”-2” dia. x 4” Long Tapered Plug
12 = 0”-3” dia. x 8” Long Tapered Plug
3 = 1”-5” dia. x 10” Long Tapered Plug
6 = 2” x 3” x 12” Wedge
6 = 2” x 3” x 12” Wedge
6 = 3” x 5/8” x 8” Wedge
6 = 3” x 1-1/2” x 10” Wedge
6 = 3” x 1-1/2” x 10” Wedge
6 = 10” x 1-1/2” x 10” Wedge
4 = 4” x 4” x 18” Wedge
2 = 2 lbs. Hammers
1 = Rubber Mallet
1 = Case with Handles & Latches
Size: 34”x12”x18” 82 lbs.

Part # MARPW100

MARINE 61 Plug & Wedge Kit

KIT CONTENTS: Part # MARPW61
15 = 0”-1” dia. x 3” Long Tapered Plug
10 = 0”-2” dia. x 4” Long Tapered Plug
10 = 0”-3” dia. x 8” Long Tapered Plug
3 = 1”-5” dia. x 10” Long Tapered Plug
5 = 1/4” x 3/4” Threaded Plug
5 = 1” x 3” x 12” Wedge
5 = 2” x 3” x 12” Wedge
5 = 3” x 3” x 12” Wedge
2 = 3 lbs. Hammers
1 = Rugged Storage Sack (Kit weight 29 lbs.)

MARINE 30 Plug & Wedge Kit

KIT CONTENTS: Part # MARPW30
6 = 0”-1” dia. x 3” Long Tapered Plug
6 = 0”-2” dia. x 4” Long Tapered Plug
6 = 0”-3” dia. x 8” Long Tapered Plug
2 = 1”-5” dia. x 10” Long Tapered Plug
2 = 1” x 5/8” x 8” Wedge
4 = 1” x 1-1/2” x 10” Wedge
4 = 2” x 3” x 12” Wedge
1 = Wooden Mallet 12” long
2 = Nylon Mesh Sacks (Kit weight 14 lbs.)

MARINE 20 Plug Kit

KIT CONTENTS: Part # MARPW20
6 = 0”-1” dia. x 3” Long Tapered Plug
6 = 0”-2” dia. x 4” Long Tapered Plug
6 = 0”-3” dia. x 8” Long Tapered Plug
2 = 1”-5” dia. x 10” Long Tapered Plug
1 = Wooden Mallet 12” long
1 = Nylon Mesh Sack (Kit weight 12 lbs.)
**DAMAGE CONTROL SPLINTER BOX PATCH KIT**

If your vessel's hull has been breached the flow of incoming flood water needs to be quickly contained. Small hull breaches may be sealed utilizing one of TEAM's wooden plug and wedge kits. Larger hull breaches are often obscurely shaped (splintered) making it difficult to contain using just plugs and wedges. The TEAM Damage Control Splinter Box Patch may be just what is needed. The box patch can be placed over the breach slowing or containing the flow of incoming flood waters.

<table>
<thead>
<tr>
<th>#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>T3BPKIT</td>
<td>DC 3 Splinter Box Set (12&quot;, 18&quot; &amp; 24&quot; Box)</td>
</tr>
<tr>
<td>TBP-MOUNT</td>
<td>Wall Mount Bracket for T3BPKIT</td>
</tr>
<tr>
<td>TBP-12</td>
<td>12&quot; DC Splinter Box Patch (12&quot; x 12&quot; x 6&quot;)</td>
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<tr>
<td>TBP-18</td>
<td>18&quot; DC Splinter Box Patch (18&quot; x 18&quot; x 7&quot;)</td>
</tr>
<tr>
<td>TBP-24</td>
<td>24&quot; DC Splinter Box Patch (24&quot; x 24&quot; x 8&quot;)</td>
</tr>
</tbody>
</table>

A hull breach 6 feet below the waterline will flood your vessel with approximately 600 gallons (2,271 L) of water every minute. That is almost 500 lbs. (226 K) of uncontrolled weight sloshing around your ship for every minute it takes to contain the leak. A quick effective response is needed to prevent this from quickly spiraling out of control.

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**DAMAGE CONTROL QUICK RESPONSE KIT**

Damage Control Quick Response Grab and Go Bag is a versatile, well thought out solution for a rapid response. This kit includes various size plugs and wedges, hammers, rubber sheet, wheel spanner, sounding tape and rope all contained in one rugged “grab and go” bag.

**Quick Response Grab and Go Bags Storage Locations**

1. Stowed in Engine Control Room
2. Stowed nearest Door in DC Lockers
3. Stowed in Key Locations Above Waterline

(Example Above Recommends 7 per ship for a ship 860 ft (269 m) or Longer)

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**Part # MARQRBAG**

**KIT CONTENTS:**

- 5 = 0"- 1" dia. x 3” Tapered Plug
- 3 = 0"- 2" dia. x 4” Tapered Plug
- 3 = 0"- 3” dia. x 8” Tapered Plug
- 2 = 1"- 5” dia. x 10" Tapered Plug
- 10 = 2” x 3” x 12” Wedge
- 10 = 3” x 3” x 12” Wedge
- 2 = 2 lbs. Hammers
- 2 = Valve Wheel Spanners
- 1 = 24” x 18” NITRILE Rubber Sheet
- 1 = 50’ Sounding Tape with Image Bob
- 1 = 10’ Length of Rope
- 1 = Rugged Storage Sack
TEAM - AIR TOOLS - FORCIBLE ENTRY

TEAM's TOPGUN Powerful pneumatic impact tools delivering top performance, dependability, superior quality and exceptional value. TOPGUN is our line of pneumatic extra heavy duty industrial rated tools, a rating reserved for tools designed for assembly production work and built to last in extreme conditions. Operates at working pressures 90 psi up to 200 psi. (Air source required)

TOPGUN IMPACT Industrial Impact Wrench Part # TW425HD 12 Sockets (U.S. & Metric) Part # TS125

TOPGUN PRO X Extra Heavy Duty PRO air hammer, Safe-T-Chuck tool retainer, six .401 shank chisels (2 each curved, flat and panel), Industrial impact wrench with 12 sockets (U.S. & Metric), pressure regulator, 16’ air hose, Tool oil and rugged carry case. Part # TG5000XHP

TOPGUN PRO Extra Heavy Duty PRO air hammer, Safe-T-Chuck tool retainer, six .401 shank chisels (2 each curved, flat and panel), pressure regulator, 16’ air hose, oil and carry case. Part # TG5000HP

AIRGUN The AIRGUN Kit comes with everything but an air supply to power through a wide range of forcible entry, damage control rescue operations or maintenance work. Easy to handle with very low air consumption and high power output (1600 blows per minute). Ideal tool for any DC locker. Working pressure 40 to 200 PSI (12 bar) 13 SCFM .401 in. (1 cm) Shank. Tool weight 7 lbs. (3.2 kg). Complete kit weight 22.8 lbs. (10.3 kg).

KIT CONTAINS: (Air source required)
AIRGUN, pressure regulator, 32’ air hose, oil, tools, 3 assorted bits, goggles, rugged ballistic nylon carrying case.
Part # TPKIT-US AIRGUN Kit U.S. Part # TPKIT-DIN AIRGUN Kit Metric DIN

AIRGUN-SC AIRGUN SC (Self Contained) exceeds current U.S. Air Force requirements for aircraft skin penetration. Ideal crash rescue, confined space breaching, damage control response tool. Carrying its own limited air supply, ship personnel can rapidly insert several penetrator/applicator nozzles depending on the location and spread of fire or fuel. These penetrator/applicator nozzles will flow water, AFFF solutions or Halon. Quickly switches between air sources. Tool with cylinder weight 19.6 lbs. (8.9 kg). Complete kit weight 77 lbs. (35 kg).

KIT CONTAINS: (Air source required)
AIRGUN, 13cuft (368L) air cylinder with bracket, pressure regulator, 32’ air hose, oil, tools, driver for neoprene plugs, 1 neoprene plug, 10 assorted bits and piercing applicators, goggles, waterproof composite carrying case.
Part # TPAGSKIT-US Self Contained AIRGUN Kit U.S. Part # TPAGSKIT-DIN Self Contained AIRGUN Kit Metric DIN

WORKING AIR CART The Working Air Cart is a portable self-contained unit designed to provide, from a single supply source, continuous regulated working air simultaneously to a variety of tools such as Air Lifting Bags, Air Powered Impact Tools and more. Available in U.S. or Metric.
Part # TPACART-US Working Air Cart U.S. Part # TPACART-DIN Working Air Cart DIN

MANUAL COMPRESSOR 800cc Dual Stage Manual Compressor ideal for TEAM's Lift Move Shift Kit or 24 TON HIGHLIFT KIT. NOT for TEAM TOPGUN or AIRGUN air tools.
Part # TPMAIR Manual Compressor
LIFT MOVE SHIFT AIR LIFTING BAGS

THE POWER OF A CRANE IN THE PALM OF YOUR HAND

16 TON LIFT MOVE SHIFT KIT

LIFT MOVE SHIFT KIT (LMS KIT) can be used for damage control, rescue operations, maintenance or any application where something large and/or heavy needs to be lifted, moved or shifted. This kit can be deployed rapidly and lift 16 tons with readily available shipboard air, a regulated air bottle (air bottle not included) or optional air cart or manual foot pump.

- Full complement of control equipment including dual controller, regulator, 4 inline relief valves, 2 Y adapters, 5 hoses & fittings.
- 2 Small rectangular bags 6” x 12” (152mm x 305mm) 2.8 ton lift each
- 2 Larger square bags 10” x 10” (254mm x 254mm) 4.3 ton lift each
- 2 Small square bags 6” x 6” (152mm x 152mm) 1.2 ton lift each
- 2 Large nitrile rubber bag protectors 10” x 10” (254mm x 254mm)
- 4 Plastic felling wedges
- Heavy duty rolling storage case

# TPLMS16

40 TON LIFT MOVE SHIFT UPGRADE

Includes 2 = 20” x 20” (508mm x 508mm) lift Bags, 20 ton lift each (lifting bags only)

# TP2X22

60 TON LIFT MOVE SHIFT UPGRADE

Includes 2 = 24” x 24” (610mm x 610mm) Lift Bags, 30 ton lift each (lifting bags only)

# TP2X32

Other size bags available. Call your local dealer

24 TON HIGHLIFT KIT

HIGHLIFT dual chamber air lifting bag is capable of lifting, shifting, moving 24 tons with shipboard air (or various air supplies) with a max lifting height of 25”. Comes with integrated wheels and detachable handle for easy mobility and placement. Saddlebag holds the single deadman controller, regulator and inline relief valve. Hose wraps around the unit to make a self-contained easily stored and transported highly capable unit. For maintenance, damage control, rescue operations and more.

# TPMFKIT
**Hand Powered Slam & Ram Kit**

**PRT Slam & Ram Kit**  With 13” of travel this powerful hand held percussive slam and ram kit directs all of its force directly at the point of impact without deflection. In the event power sources are not available to operate electric, pneumatic, hydraulic or petrol fueled tools, you will be thankful you have this kit. Kit weight 29 lbs. 32” long.

**Kits Include:** Slam & Ram bar, lockbreaker claw, 3” chisel, 1” chisel, Bullpoint, Cutting Claw and a carrying pouch.

**Part # TPRTKIT Slam & Ram Kit With Bits**

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**Crew Hand Tools**

**Pry-Axe** For over 40 years used by rescue squads worldwide. Heat treated alloy steel electroless nickel plated. 18.4” to 25” 6.6 lbs.
- **TPAXE520** Pry-Axe with Standard Claw
- **TPAXE522** Pry-Axe with Cutting Claw
- **TPAXE518** Pry-Axe with standard & Cutting Claw
- **TPAXE505** Pry-Axe Sheath

**Hooligan Tool** Heavy duty, lightweight with maximum prying leverage.
- **TP599** 24” 9.2 lbs. Hooligan Tool with Pry Claw
- **TP600** 30” 10.6 lbs. Hooligan Tool with Pry Claw
- **TP601** 36” 11.9 lbs. Hooligan Tool with Pry Claw

**Hooligan Tool** Heavy duty, lightweight with maximum prying leverage.
- **TP622** 30” 10.6 lbs. Hooligan Tool with Cutting Claw
- **TP623** 36” 11.9 lbs. Hooligan Tool with Cutting Claw

**Fire Axe** TopCut Fire Axe designed to maximize chopping efficiency.
- **TP610** 36” 8.9 lbs. TopCut Fire Axe

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**X-Tinguish Fire Extinguishers**

**World’s Safest and Only Non-Pressurized Fire Extinguisher!**

X-Tinguish® is a true innovation in the field of portable fire extinguishing systems. X-Tinguish® contains no propellant gases, aerosols or compressed air. Because of its patented elastomer force element the spray characteristics over the entire foam dispersion period is virtually constant.

**Advantages of X-Tinguish®**

- **SYNTHETIC FOAM AGENT FIRE EXTINGUISHER**
- **NO PROPELLANT GASES, AEROSOLS OR COMPRESSED AIR**
- **SPRAY DISTANCE - UP TO 15 FEET (APPROX. 29 PSI @ 68°F)**
- **STORES EASILY IN CABINETS OR DRAWERS**
- **WORKS ON GREASE FIRES - UP TO 10.5 GALLONS**
- **SAFER THAN AEROSOLS - COMPLETELY NON-TOXIC**
- **SPRAYS FROM ANY ANGLE (360°)**
- **REQUIRES MINIMAL CLEANUP**
- **SHELF LIFE: 3 YEARS, MAINTENANCE FREE!**
- **TESTED TO UL 711 AND DIN EN 3-7 BY AN INDEPENDENT THIRD PARTY LABORATORY**

**A:** 27 oz. (800ml), 15 sec. Extinguishing Foam
**B:** 10 oz. (300ml), 35 sec. Extinguishing Spray
**K:** 5 oz. (150ml), 35 sec. Extinguishing Spray

**Fire Class:** A, B & K

Cooking Oil #1 Cause of Kitchen Fires

Not a replacement for a coast guard approved fire extinguishers
HUSQVARNA MARINE RESCUE SAW KIT

Husqvarna Marine Rescue Saw Kit featuring an industrial 12” or 14” Husqvarna saw with accompanying blades and accessories stored in a choice of full size or space saver rugged marine powder coated aluminum case.

Kits include: Husqvarna 12” or 14” saw, aluminum case (full size or space saver) in marine white or gray finish. 1 Piraya diamond blade (fast & versatile), 1 Lightning diamond blade (cuts steel & concrete, outlasts 150+ abrasive wheels), one gallon stainless steel safety gas can, 2-cycle oil, gasoline stabilizer, hearing protector, goggles, spare air filter and drive belt, screwdriver/wrench tool and instructions. Weight 65 lbs. to 79 lbs.

THMK76012FW 12” (74cc, 5.7hp) Saw Kit, Full Size White, Blades and Accessories
THMK76012FG 12” (74cc, 5.7hp) Saw Kit, Full Size Gray, Blades and Accessories
THMK76012SW 12” (74cc, 5.7hp) Saw Kit, Space Saver White, Blades and Accessories
THMK76012SG 12” (74cc, 5.7hp) Saw Kit, Space Saver Gray, Blades and Accessories
THMK97014FW 14” (94cc,6.5hp) Saw Kit, Full Size White, Blades and Accessories
THMK97014FG 14” (94cc, 6.5hp) Saw Kit, Full Size Gray, Blades and Accessories
THMK97014SW 14” (94cc, 6.5hp) Saw Kit, Space Saver White, Blades and Accessories
THMK97014SG 14” (94cc, 6.5hp) Saw Kit, Space Saver Gray, Blades and Accessories

7612A Husqvarna K760 12” 74cc Rotary Saw Only, 20 lbs. (blade not included)
7614A Husqvarna K760 14” 74cc Rotary Saw Only, 21 lbs. (blade not included)
9714A Husqvarna K970 14” 94cc Rotary Saw Only, 24 lbs. (blade not included)
9716A Husqvarna K970 16” 74cc Rotary Saw Only, 25 lbs. (blade not included)
1264A Husqvarna K1260 14” 119cc Rotary Saw Only, 30 lbs. (blade not included)
1266A Husqvarna K1260 16” 119cc Rotary Saw Only, 32 lbs. (blade not included)
1266Rail Husqvarna K1260 16” Saw with Rail Attachment, 47 lbs. (blade not included)

THMFULLx Full Size Aluminum Case (NOT for 16” saws) gray or white 33” x 14” w x 18”h, 43 lbs.
THMSPACEx Space Saver Aluminum Case (NOT for 16” saws) gray or white 16” x 12”w x 16”h, 21 lbs.

PIRA-12FD 12” PIRAYA Diamond Blade (fast, cuts most materials)
PIRA-14FD 14” PIRAYA Diamond Blade (fast, cuts most materials)
PIRA-16FD 16” PIRAYA Diamond Blade (fast, cuts most materials)
TLD12 12” LIGHTNING Diamond Blade (long lasting, metal and concrete cutting)
TLD14 14” LIGHTNING Diamond Blade (long lasting, metal and concrete cutting)
TLD16 16” LIGHTNING Diamond Blade (long lasting, metal and concrete cutting)

ELEVATOR PASSENGER EVACUATION KIT

Used in conjunction with current lockout procedures. Elevator malfunctions can be unpredictable. This kit provides a way of securing the elevator in place so it doesn’t accidently move while passengers are exiting the car or while service work is performed.

Not compatible with DCS shoring

Kit Contains:
• (2) 12”-15” AT Shores
• (2) 19”-25” AT Shores
• (2) Converters
• (2) 6” AT Extensions
• (2) 12” AT Extensions
• (2) 24” AT Extensions
• (2) 36” AT Extensions
• (2) Elevator Support Arms
• (4) wedges
• (6) Angled Rubber Base Plates
• Accessories Case

TPVEVACKIT Elevator Evacuation Kit Complete

CONFINED SPACE ELEVATOR RESCUE

Used in conjunction with current lockout procedures. This kit allows an incredibly safe and effective platform to perform elevator shaft rescue.

Not compatible with DCS shoring

Kit Contains:
• (2) 56”-88” AT Shores
• (2) 25”-36” AT Shores
• (2) Angled Rubber Base
• (2) T-Junctions
• (2) Adjustable Hinged Base
• (1) Shoring Hammer

Life safety rope, pulley, harness components required, sold separately.

TPERSQKIT Elevator Rescue Shoring Kit
**FLIR MARINE TEAM FIREFIGHTING HANDHELD THERMAL IMAGE CAMERAS KITS**

Firefighting personnel aboard a ship may consist of three or more teams of six to ten firefighters. Each group should have a minimum of one thermal image camera meeting NFPA guidelines, ideally all members of the group should have a thermal image camera for firefighting, personal safety, mayday calls, passenger/crew search and rescue, damage control and man overboard operations.

Our Marine Team Kits are an economical approach to providing more firefighters with thermal imaging cameras. Our kits include an NFPA recommended high resolution, high refresh rate FLIR K65 or FLIR K55 Thermal Imager with picture and video recording capability for the fire team leader. Two FLIR K53 Thermal Imagers (NFPA recommended 320x240, with picture and video recording capability). Other team members will carry a FLIR K2, MSX enhanced 160 resolution 9Hz thermal camera for basic firefighting and situational awareness.

Kits include retractable lanyards for each camera.

Determine how many members of your firefighting team should carry a thermal image camera and consider an economical Marine Team Kit for each fireteam aboard your vessel.

**FLIR KF6**

High resolution (640x480) fixed mount camera. Meets military environmental standards and IEC performance and water ingress testing.

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**Anti-Piracy**

An approaching “blip” on your radar screen can also mean danger. Thermal imaging allows you to see vessels on the horizon and provides you with decision making capability before it is too late.

**Shipboard Security**

Yachts and commercial vessels contain a lot of valuable material that any thief might like to steal. By using a thermal imaging camera you can increase your shipboard security.

**Iceberg Detection**

Icebergs and floating ice can damage a vessel severely or even sink it. It will however become clearly visible thanks to thermal imaging so that the captain can take appropriate action to avoid a collision.

**Oil Spill Detection**

A thermal image camera is extremely useful for detecting oil spills that are floating on the water. Not only in case of an accident but also when loading or unloading fuel tankers. Oil floating on the water becomes clearly visible on a thermal image.

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**FLIR THERMAL IMAGING CAMERAS FOR NAVIGATION AND MAN OVERBOARD**

**Ocean Scout**

Handhelds are rugged compact thermal imaging cameras that reveal other vessels, landmarks, buoys, floating debris, man overboard in total darkness.

- **TFL-OSTK** Ocean Scout TK, 160x120 9Hz
- **TFL-OS240** Ocean Scout 240, 240x180 9Hz
- **TFL-OS320** Ocean Scout 320, 336x256 9Hz
- **TFL-OS640** Ocean Scout 640, 640x512 9Hz
- **TFL-OSFLOAT** Ocean Scout Floating Wrist Lanyard

**BHM camera** is the most powerful handheld thermal imaging camera for search and rescue operations on the water, with 640 x 480 thermal resolution, 2x & 4x zoom, plus video and still image storage.

- **TFL-BHM-6XR** BHM-6XR+, 9Hz (lens sold separately)
- **TFL-BHM-35mm** 35mm Lens for BHM-6XR+ Camera
- **TFL-BHM-65mm** 65mm Lens for BHM-6XR+ Camera
- **TFL-BHM-100mm** 100mm Lens for BHM-6XR+ Camera

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**DETECTION RANGES**

<table>
<thead>
<tr>
<th>Distance</th>
<th>Range</th>
</tr>
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<tbody>
<tr>
<td>~1.15m</td>
<td>350m</td>
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<tr>
<td>~0.48m</td>
<td>300m</td>
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<tr>
<td>~1.80m</td>
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<td>1.14km</td>
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<td>3.26km</td>
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**BHM-6XR & 100mm LENS DETECTION RANGE**

- **BHM-6XR** ~1.59m/2.95km
- **100mm LENS** ~4.75m/8.3km
FLIR K-SERIES FIREFIGHTING HANDHELD THERMAL IMAGE CAMERAS

Learn from experience, FLIR has been on the forefront of thermal infrared technology for decades.

NFPA 1801: Standard on Fire Service Thermal Imagers recommends a high-resolution TIC with minimum 320 line resolution.

Firefighters today face a dramatically different scenario than ever before. They face rapidly progressing fires that develop to fleshtower in 3-4 minutes due to the high heat release rates of modern synthetic furnishings.

The BEST PPE on the market today begins to fail at 572° Fahrenheit.
The polycarbonate lens on your SCBA begins to fail at 446° Fahrenheit.
Your radio and radio strap fail at 350° Fahrenheit.
Human skin is destroyed at 162° Fahrenheit.

When a fire breaks out, you don’t have time to spare. All firefighters carrying a high resolution thermal imaging camera can see clearly in zero visibility and be able to diagnose the thermal severity of the environment they are in and look for victims. The survival of your vessel, crew and passengers rely on your firefighting team having the best equipment and training available to make rapid informed decisions.

FLIR cost effective thermal image cameras drastically improve shipboard firefighting and search and rescue operations.

FLIR K53
FLIR K53 Thermal Imaging Camera with FSX digital image enhancement. The result is an ultra-sharp thermal image that shows more detail. One button for simple control.

The K53 features:
- 320x240 resolution
- FSX Video Enhanced
- 60Hz frame rate
- Bright 4” LCD
- One oversized button
- One image mode
- Capture 200 JPEGs
- Video 200 5-minute
- IP67 and rugged
- Retractable lanyard

FLIR K55
FLIR K55 Thermal Imaging Camera with FSX digital image enhancement. The result is an ultra-sharp thermal image that shows more detail. Three buttons for advanced control.

The K55 features:
- 320x240 resolution
- FSX Video Enhanced
- 60Hz frame rate
- Bright 4” LCD
- Three oversized buttons
- Five image modes
- Capture 200 JPEGs
- Video 200 5-minute
- IP67 and rugged
- Retractable lanyard

FLIR K65
NFPA Compliant
The K65 Thermal Imaging Camera is the camera you need when NFPA compliance is a must.
- With fully sealed connectors and a secured battery.

The K65 is certified according to NFPA 1801:2013 specifications for:
- Vibration
- Impact acceleration resistance
- Corrosion
- Viewing surface abrasion
- Heat resistance
- Heat and flame
- Product label durability

FLIR M-SERIES
Drawing on FLIR’s 25 years of experience in building combat-proven airborne and maritime thermal imagers for military, coast guards, and governmental agencies around the world. M-Series cameras let you see more — and see farther — than ever before. Even in the dead of night.

M-324K 324 320 x 240, 30Hz 2X
M-625K 625 640 x 480, 30Hz 4X
TFLM324S 324 320 x 240, 30Hz 2X
TFLM625S 625 640 x 480, 30Hz, 4X
TFLM625SC 625L 640 x 480, 30Hz, 4X (dual camera)

Other Models Available

FLIR DRONE MOUNTED CAMERA
Complete 360° view of your ship while at sea

A FLIR Thermal imager mounted to a small drone provides a view of upper stories down to the waterline. A vital tool in man overboard search and rescue operations. This visualizes heat making it a must have for rescue operations at any time, day of night.

75502-0202 FLIR Aerial First Responder Basic Kit
75603-0303 FLIR Aerial First Responder Advanced Kit (pictured)

Other Models Available
POWERFUL BATTERY OPERATED FAN – FAST AND EASY TO SETUP

Fire is the biggest threat to any ocean going vessel. Our battery operated fan is faster to set up than conventional fans. Powered by a NiMH battery, it is fully autonomous and can start immediately without wasting time searching for a power outlet. Tilt adjustable, variable speed, can recharge while in use, protected against splashing water (IP55) for indoor or outdoor operations make this the best fan to have aboard your vessel. When fire breaks out, position this powerful mobile fan from 3’ to 20’ in front of a door to provide a powerful concentrated jet of air (14,155 CFM - 8,850 CFM) to assist your fire squad in combating the blaze.

- TL-BF20 Battery Fan 20 Minutes Runtime AMCA: 8,850 CFM (54lbs)
- TL-BF45 Battery Fan 45 Minutes Runtime AMCA: 8,850 CFM (62lbs)
- EVG230 NEO 18” Electric Fan AMCA: 11,625 CFM 1.1 kW (78lbs)
- MTZ236 NEO 18” Petrol Fan AMCA: 19,810 CFM 5 hp (87lbs)
- MHZ236 NEO 18” Water Driven Fan Open Air: 28,870 CFM 9 hp (72lbs)

Other petrol, electric, water driven fans available.
Con tinted space, TEU or Cargo hold, we have fan ventilation options.

MULTIFLOW SELECTABLE OR FLOWMATIC AUTOMATIC NOZZLES

MultiFlow (selectable) or FlowMatic (automatic) come in three sizes, compact, regular or large with inlet sizes of 1", 1.5" or 2.5". Available in 2 materials: ALUMINIUM (all sizes) OR FIBERTECH® (regular size models only). With large and bright tactile indicators spray teeth for fog (option or regular size nozzles), 3 adjustable stream shapes, swivel inlet, wide range of flow rates, ergonomic pistol grip, inlet screen, stainless steel slide valve (compact and regular size nozzles). FiberTech® composite nozzles are lighter, have comparable strength to brass or aluminum with better corrosion and high temperature resistance.

FlowMatic Automatic Flow Nozzles:
- TL-NA006RI FLOWMATIC Nozzle 125GPM @ 100PSI 1.5”NH F Compact Aluminum
- TL-LAA006RI FLOWMATIC Nozzle 150GPM @ 100PSI 1.5”NH F Compact Aluminum
- TL-LAC006RI FLOWMATIC Nozzle 150GPM @ 100PSI 1.5”NH F Regular FiberTech

MultiFlow GPM Models:
- TL-NA005RI MULTIFLOW Nozzle 125GPM @ 100PSI 1.5”NH F Compact Aluminum
- TL-LMC004RI MULTIFLOW Nozzle 150GPM @ 100PSI 1.5”NH F Regular FiberTech
- TL-LMG004RI MULTIFLOW Nozzle 150GPM @ 100PSI 1.5”NH F Regular Aluminum
- TL-LMA005SI MULTIFLOW Nozzle 200GPM @ 100PSI 2.5” NH F Large Aluminum

FOAM AND Equipment

- Portable Foam Unit
- In-Line Foam Dosing
- FlowMix Proportioners
- FlowMix Proportioners
- High Expansion Foam Generators

BIOEX

This is the first fluorine free foam concentrate in the world! For all types of fire scenarios and makes intervention much easier for industrial, chemical, transport, engine rooms or fire rescue operations. BIOEX has designed a line of 100% fluorine free foam concentrates that meet the operational needs of seamen and minimizes the ecological impacts of a release into the sea. Usable as low and medium expansion, the foam concentrates adapted to use on fires on board ships must make it possible to put out a fire quickly at a distance.

LEADER WYE

Specifically designed with FiberTech® composite material to be stronger and lighter with better corrosion resistance. A great alternative to aluminum alloy or brass in harsh environments.
- TL-140R3 WYE 1x 1.5NH F SWIVEL/ 2x 1NH M
- TL-116R6 WYE 1x 1.5NH F SWIVEL/ 2x 1.5NH M
- TL-117R6 WYE 1x 2.5NH F SWIVEL/ 2x 1.5NH M
FIRE MAY BE THE BIGGEST DANGER A SHIP WILL FACE.

A fire may double in size every 30 seconds and spread 1100% in the first four minutes. While your crew suits up to respond and fight the fire, precious time is passing. With an X-Tinguish FST no time is waisted, any crew member can deploy it in seconds. Simply “pull the pin and throw it in” and the X-Tinguish FST will go to work removing upwards of 1,000°F/537°C from the room in less than 60 seconds and successfully knockdown the flames in a compartment up to 5,300 cu.ft. Quickly knocking down the fire reduces damage from fire, smoke and subsequent water damage. Estimated 80% less water is needed when an X-Tinguish FST is properly/promptly deployed.

THE WORLD’S MOST ADVANCED AEROSOL FIREFIGHTING TOOL

FIRE SUPPRESSION TECHNOLOGY (FST)
- FST does not remove oxygen
- FST does not utilize super cooling gases
- FST is not harmful to people or animals
- FST is not harmful to the atmosphere
- Zero ODP and Zero GWP
- FST does not increase pressure
- Ignition method: Manual pull-pin, electronic

The X-Tinguish® FST
- Offers extraordinary knock down and fast suppression capabilities
- Reduces temperatures by as much as 1,000°F in 30 seconds
- Can cut water usage by as much as 80%, when used properly
- Is SNAP listed by the US EPA (Aerosol A, SFE)
- Is environmentally friendly (ODP 0%, GWP 0%)
- Does not reduce or deplete O2 oxygen
- Can eliminate flashover and backdraft
- Is non-toxic, non-corrosive, non-conductive
- Highly efficient and suitable against A-B-C-K class fires
- Is NOT pressurized!
- Has a 5 year battery life
- Has a 15 year shelf life
- “R-pin” to protect the igniter pin from being accidentally removed.
- LED light turns red when the unit is activated (pins are pulled)

SPECIFICATIONS
- Total weight: 11.24 lbs / 5100 gr
- Compound weight: 6.40 lbs / 2900 gr
- Volume coverage (up to): ≤ 5,300 cu.ft. / 150 m3
- Discharge time: 33 seconds
- Activation method: Manual pull pin
- Operational to: -65°F / -55°C below zero

HALON REPLACEMENT AGENT
U.S. EPA SNAP Listed

Marine Applications
- Engine rooms and compartments
- Laundry rooms and machine shops
- Computer Control rooms (sub floor or ceiling)
- Electrical cabinets and compartments
- Generator and compressor rooms
- Flammable and combustible fuel storage
- Paint rooms and battery storage
- Commercial kitchens and more
CONFINED SPACES COMMUNICATION

LEADER Com: Intrinsically safe wired communication for Confined Spaces. The only operational system of communication in all extreme situations.

Full duplex, hands free and intrinsically safe, ensures a continuous, reliable and very clear communication between the safety attendant and members of teams engaged in confined space entry particularly when working in noisy environments and where other conventional communications won’t work.

Fast and easy to implement, LEADER Com allows up to 10 team members connected on the system providing communication between one another and the safety attendant, up to a distance of 3 miles per user connected.

For high angle working configurations, or for rope access into ship holds, the communication rope can replace the primary rope or the life line.

APPLICATIONS:
High angle, extrication, confined space rescue, tunnels, engine rooms, silos, boilers, furnaces, wind turbines, ship’s holds, elevator shafts, compartments, tanks, pipes, storage vessels, towers, pylons offshore platforms, sewers, manholes, mills, holding tanks, fuel cell entry tanks, aircrafts sections, riveting, de-icing and more.

LEADER Cam - 2m probe
TLC342

LEADER Cam - 4m probe
TLC343

LEADER Cam R90 with 90m reel
TLC344

LEADER Cam RD90 with waterproof 90m reel
TLC345

INSPECTION - SEARCH CAMERA WITH COMMUNICATION

LEADER Search Camera with communication is ideal for inspection in noisy environments or searching for injured people in confined spaces, elevator shafts or other non-easily accessed locations. Camera, designed especially for visually locating victims in confined spaces, talking to them and evaluating their level of assistance needed. Also available as a cameras on a reel with 295 ft. or 590 ft. of cable in either. A waterproof camera or articulated, water-resistant camera with built-in communication system.

TLC342 Leader Cam - 2m probe
TLC343 Leader Cam - 4m probe
TLC344 Leader Cam R90 with 90m reel
TLC345 Leader Cam RD90 with waterproof 90m reel

TEAM - HAZMAT NON-SPARKING TOOL KITS

Working in hazardous environments is dangerous enough so don’t take unnecessary chances with inferior tools that may not be safe or strong enough to get the job done. Consider the devastation a single spark can cause whenever flammable and explosive materials are present. TEAM spark resistant, rust and corrosion resistant safety tool kits provide excellent protection against fires and explosions in environments where hazardous materials such as flammable solvents, gasses and explosive powders are present. They also resist deterioration by fresh, salt and bilge water. They are excellent for use around battery acids and other common corrosive media.

TEAM Deluxe Marine Non-Sparking Tool Kit
TAM-TAK31

Kit contains 30 spark resistant, corrosion resistant hand tools with carry bag.

TEAM Standard Marine Non-Sparking Tool Kit
TAM-TAK18

Kit contains 17 spark resistant, corrosion resistant hand tools with carry bag.

TEAM Deluxe Marine Non-Sparking Tool Kit
TAM-TM51

Kit contains 17 spark resistant, corrosion resistant hand tools with bucket.

TEAM Basic Marine Non-Sparking Tool Kit
TAM-M48

Kit contains 11 spark resistant, corrosion resistant hand tools with tool box.

TEAM Starter Marine Non-Sparking Tool Kit
TAM-TAK1

Kit contains 6 spark resistant, corrosion resistant hand tools with vinyl pouch.
FLIR R-SERIES HANDHELD RADIATION DETECTION

Securing your ship never gets easier. FLIR R-Series handheld radiation detectors give you the ability to identify threats before they get on your vessel. Providing immediate threat alarms to keep front-line workers safe. Features integrated Bluetooth® connectivity that enables situational awareness beyond the front-line and up the chain of command to the bridge or the Captain. PRD, SPRD, RID, RIID models available. Detect, Identify and Locate.

IDF-R100  PRD Radiation Detector (Gamma)
IDF-R200  SPRD Radiation Detector (Gamma)
IDF-R300Z SPRD Radiation Detector (Gamma)
IDF-R300ZH SPRD Radiation Detector (Gamma & Neutron)
IDF-R400NG RIID Best All-Around Radiation Detector (Gamma)
IDF-R400NGH RIID Best All-Around Radiation Detector (Gamma & Neutron)
IDF-R440GN NAL RID Rugged Radiation Detector (Gamma & Neutron)
IDF-R500NGH RID Most Sensitive Radiation Detector (Gamma & Neutron)

RADIATION DETECTION
The IDENTIFIER R series are easy-to-use handheld instruments that quickly detect, locate, and identify radiation sources. They contain on-board Bluetooth, web service, and GPS technology and produce rapid, visible, audible alerts that expedite response measures.

FLIR FIDO RUGGED, LIGHTWEIGHT EXPLOSIVES DETECTION

The world is a dangerous place but with FLIR Explosive trace detection you can keep your passengers, crew and ship that much safer. Simple to operate, ultra-lightweight and extremely fast to detect, analyze, identify and confirm the presence of explosives and drugs with best-in-class sensitivity. Simply swipe the outside of a bag, a box or incoming pallet of supplies and the test is complete in seconds. You can use the same swipe pad up to 30 times keeping operating costs down. Identifies military, commercial, and homemade explosive threats. Be ready, be prepared, there may not be a second chance.

EXPLOSIVES DETECTION
Specifically designed for checkpoint and transportation security, today thousands of Fido X-Series detectors are in service with the military, law enforcement, at airports around the world. Accurate, easy to use, field proven. This is explosive detection you can count on.

FIDOX2 Explosives Trace Detector
FIDOX3 Rugged Explosives Trace Detector

EXPORT
RESTRIC TED ITEM
NOT FOR EXPORT